

**APPARATUS, SYSTEMS AND METHODS FOR AQUATIC SPORTS
COMMUNICATIONS**

ABSTRACT OF THE INVENTION

The exemplary embodiment of the present invention integrates a two-way communications device into a personal floatation device ("PFD"; sometimes also referred to herein as a "life vest"). Integration of the two-way communications device in the exemplary PFD embodiment would provide water ingress protection (water-proofing) of at least International Standard CEI/IEC 529: 1989:IPX7. In the exemplary embodiment, the two-way communications device integrated in the PFD would provide an antenna integrated into a shoulder of the PFD. The exemplary embodiment would further provide an advanced microphone, and an ear bud speaker. The exemplary embodiment would further provide signal processing to mitigate ambient noise and to enhance transmission of true vocal content. The exemplary transceiver of the exemplary embodiment of the present invention would be environmentally hardened and would be operable to communicate radio frequencies in a range between 462.5625 MHz and 467.7125 MHz.